#2

OIPE

RAW SEQUENCE LISTING DATE: 03/07/2002
PATENT APPLICATION: US/10/080,713 TIME: 11:22:35

Input Set : N:\Crf3\RULE60\10080713.txt
Output Set: N:\CRF3\03072002\J080713.raw

<110> APPLICANT: COLMAN, ALAN
SCHNIEKE, ANGELIKA E.
KIND, ALEXANDER J.
AYARES, DAVID L.
DAI, YIFAN
<120> TITLE OF INVENTION: METHOD OF PREPARING A SOMATIC CELL FOR NUCLEAR TRANSFER
<130> FILE REFERENCE: 0623.0670001
<140> CURRENT APPLICATION NUMBER: 10/080,713
<141> CURRENT FILING DATE: 2002-02-25
<150> PRIOR APPLICATION NUMBER: 09/475,674
<151> PRIOR FILING DATE: 1999-12-30
<150> PRIOR APPLICATION NUMBER: US 60/128,544
<151> PRIOR FILING DATE: 1999-04-09
<160> NUMBER OF SEQ ID NOS: 20
<170> SOFTWARE: PatentIn Ver. 2.1

ENTERED

<210> SEQ ID NO: 1
<211> LENGTH: 300
<212> TYPE: DNA
<213> ORGANISM: ovine
<400> SEQUENCE: 1
gagccacagc tcaggctcaa ggcccctccc cagccagtac cctgtttccc ccaaggaagg 60
gggtttgttc ccaggtgctc accccagctt acacaaagcc taaatctgct tgaagattca 120
cctggggtca ggagggatgg atgtggcagg aacagatgtg aagggatttg gccaagggga 180
gattcatctg tagctcaggc tgttccagcc ctgagccgag ctcctccaac caggatctaa 240
tccttctctt tgctctccct agggtcctgc tggtcctgct ggtcccattg gccccgttgg 300
<210> SEQ ID NO: 2
<211> LENGTH: 400
<212> TYPE: DNA
<213> ORGANISM: ovine
<400> SEQUENCE: 2
tcggcttcga catcggctct gtctgcttcc tgtaaactcc ttccacccca gcctggctcc 60
ctcccaccca acccacttgc ccctgactct ggaaacagac aaacaaccca aactgaaacc 120
ccccaaaagc caaaaaatgg gagacaattt cacatggact ttggaaaatc ctaggatgca 180
tatggcggcc gcactagagg aattccgccc ctctcccccc ccccccctaa cgttactggc 240
cgaagccgct tggaataagg ccggtgtgcg tttgtctata tgttattttc caccatattg 300
ccgtcttttg gcaatgtgag ggcccggaaa cctggccctg tcttcttgac gagcattcct 360
aggggtcttt cccctctcgc caaaggaatg caaggtctgt 400
<210> SEQ ID NO: 3
<211> LENGTH: 65
<212> TYPE: DNA
<213> ORGANISM: ovine
<400> SEQUENCE: 3
tcgacctgca ggtcaacgga tctaatcctc tctttgctct ccctagggtc ctgctggtcc 60

RAW SEQUENCE LISTING DATE: 03/07/2002
PATENT APPLICATION: US/10/080,713 TIME: 11:22:35

Input Set : N:\Crf3\RULE60\10080713.txt
Output Set: N:\CRF3\03072002\J080713.raw

```
62 tgctg                                                                65
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 110
67 <212> TYPE: DNA
68 <213> ORGANISM: ovine
70 <400> SEQUENCE: 4
71 ccaaggggag atttcatctg tagctcaggc tgttccagcc ctgagccgag ctcctccaac 60
72 caggatctaa tcctctcttt gctctcccta gggtcctgct ggtcctgctg            110
75 <210> SEQ ID NO: 5
76 <211> LENGTH: 110
77 <212> TYPE: DNA
78 <213> ORGANISM: ovine
80 <400> SEQUENCE: 5
81 ccaaggggag atttcatctg tagctcaggc tgttccagcc ctgagccgag ctcctccaac 60
82 caggatctaa tcctctcttt gctctcccta gggtcctgct ggtcctgctg            110
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 84
87 <212> TYPE: DNA
88 <213> ORGANISM: porcus
90 <400> SEQUENCE: 6
91 gacccagtcc tcatgactaa acagcaaggg cgaattccta gaagatctcc tagagttaac 60
92 actggccgtc gttttaccgg tccg                                        84
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 236
97 <212> TYPE: DNA
98 <213> ORGANISM: porcus
100 <400> SEQUENCE: 7
101 gacccagtcc tcatgactaa acagcttttc aatccctttc tctaagaaaa gctatgagat 60
102 cttacatgta atttaaagtt aagcagtttg gtgtaaagga agttaggagg caatatttac 120
103 atctgcaggt atgtgatata cttttgcttg tgttccagtt taggtcattt gtgtccattt 180
104 tcaaatgatt tacttgaaga gccattgcac tgacttgatg ttcagcacga tgggct     236
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 101
109 <212> TYPE: DNA
110 <213> ORGANISM: bovine
112 <400> SEQUENCE: 8
113 agggcggcct cagactcagt ggtgagtgtt cccaagtcca ggaggtggtg gagggtccct 60
114 ggcggatcgg gggggtcgac gcggccgcca tggtcatagc t                     101
117 <210> SEQ ID NO: 9
118 <211> LENGTH: 329
119 <212> TYPE: DNA
120 <213> ORGANISM: bovine
122 <400> SEQUENCE: 9
123 agggcggcct cagactcagt ggtgagtgtt cccaagtcca ggaggtggtg gagggtccct 60
124 ggcggatcca gagttgggct tccagagtga gggcttcctg ggccccatgt gcctggcagt 120
125 ggcagcaggg aaggggccac accattttgg ggctggggga tgccagaggg cgctccccac 180
126 cccgtcctca ccaagtggtg accccggggg agccccgctg gttgtggggg gtgctggggg 240
127 ctgaccagaa acccccctcc tgctggaact cactttcctc ccgtcttgat ctcttccagc 300
128 cttgaatgag aacaaagtcc ttgtgctgg                                   329
```

RAW SEQUENCE LISTING DATE: 03/07/2002
PATENT APPLICATION: US/10/080,713 TIME: 11:22:35

Input Set : N:\Crf3\RULE60\10080713.txt
Output Set: N:\CRF3\03072002\J080713.raw

```
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 24
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
139 <400> SEQUENCE: 10
140 taagaggctg accccggaag tgtt                                          24
143 <210> SEQ ID NO: 11
144 <211> LENGTH: 24
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
151 <400> SEQUENCE: 11
152 gaccttgcat tcctttggcg agag                                          24
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 22
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
163 <400> SEQUENCE: 12
164 gagtggttct gtcaatgctg ct                                            22
167 <210> SEQ ID NO: 13
168 <211> LENGTH: 22
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
175 <400> SEQUENCE: 13
176 ggaagctctc ctctgttgtc tt                                            22
179 <210> SEQ ID NO: 14
180 <211> LENGTH: 25
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
187 <400> SEQUENCE: 14
188 ggtggatgat atctccagga tgcct                                         25
191 <210> SEQ ID NO: 15
192 <211> LENGTH: 24
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
199 <400> SEQUENCE: 15
200 gctgtttagt catgaggact gggt                                          24
203 <210> SEQ ID NO: 16
```

RAW SEQUENCE LISTING DATE: 03/07/2002
PATENT APPLICATION: US/10/080,713 TIME: 11:22:35

Input Set : N:\Crf3\RULE60\10080713.txt
Output Set: N:\CRF3\03072002\J080713.raw

204 <211> LENGTH: 22
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
211 <400> SEQUENCE: 16
212 catcgccttc tatcgccttc tt 22
215 <210> SEQ ID NO: 17
216 <211> LENGTH: 25
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
223 <400> SEQUENCE: 17
224 agcccatcgt gctgaacatc aagtc 25
227 <210> SEQ ID NO: 18
228 <211> LENGTH: 30
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
235 <400> SEQUENCE: 18
236 ccagtgctga tttgatttcc tactcacgcc 30
239 <210> SEQ ID NO: 19
240 <211> LENGTH: 30
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
247 <400> SEQUENCE: 19
248 accttctgga tatccaggcc cttcatggtc 30
251 <210> SEQ ID NO: 20
252 <211> LENGTH: 22
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
259 <400> SEQUENCE: 20
260 ccagcacaag gactttgttc tc 22

VERIFICATION SUMMARY DATE: 03/07/2002
PATENT APPLICATION: US/10/080,713 TIME: 11:22:36

Input Set : N:\Crf3\RULE60\10080713.txt
Output Set: N:\CRF3\03072002\J080713.raw